UNIFLEX

Proven cable carrier with many opening cross-bar and cover variants*

- Cost-effective cable carrier
- Particularly high torsional rigidity
- TÜV design approved in accordance with 2PfG 1036/10.97

Universal Mounting Brackets (UMB) for quick and easy attachment from the top, front, or bottom of the bracket

Robust, double stroke system for long unsupported lengths

Designs with inward or outward opening cross-bars for easy cable installation

Single-piece bracket with integratable strain relief comb

Designs covered on one side or on both sides with plastic cover system for providing excellent protection for chips and debris

* Some features can be different for certain types for design reasons. Our specialists are happy to advise you.

Designs 030 with outward opening and detachable cross-bars

Design 040 with inward opening and detachable cross-bars

Design 050 – covered on one side

Design 060/080 – TUBE SERIES covered cable carriers

Specifications are subject to change without notice.
## General Data

### Technical Data

<table>
<thead>
<tr>
<th>Series</th>
<th>Mounting Height ( H )</th>
<th>Bend Radius ( KR )</th>
<th>Depot ( U_B )</th>
<th>Loop Length ( L_B )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option A</td>
<td>7.00 (178)</td>
<td>2.95 (75)</td>
<td>4.88 (124)</td>
<td>12.01 (305)</td>
</tr>
<tr>
<td>Option B</td>
<td>8.98 (228)</td>
<td>3.94 (100)</td>
<td>5.87 (149)</td>
<td>15.08 (383)</td>
</tr>
<tr>
<td>Option C</td>
<td>10.94 (278)</td>
<td>4.92 (125)</td>
<td>6.85 (174)</td>
<td>18.19 (462)</td>
</tr>
<tr>
<td>Option D</td>
<td>12.91 (328)</td>
<td>5.91 (150)</td>
<td>7.83 (199)</td>
<td>21.26 (540)</td>
</tr>
</tbody>
</table>

### Calculation of Chain Length

\[
L_B = \text{total machine travel} \\
L_B = 3.14 \times KR + (2 \times t \text{ safety factor}) \\
L_B = \text{chain length required} \\
L_B = LS \div 2 + \text{length of the curve (}L_B\text{)}^* \\
^* \text{ Assumes the } \text{Fixed Point is located at the Center of the Total Machine Travel.}
\]

### Self-Supporting Lengths

<table>
<thead>
<tr>
<th>Additional Load (lbs)</th>
<th>0</th>
<th>1.4</th>
<th>2.7</th>
<th>4.2</th>
<th>5.6</th>
<th>6.65</th>
<th>8.20</th>
<th>9.84</th>
<th>11.48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsupported Length</td>
<td>0</td>
<td>0.5</td>
<td>1.0</td>
<td>1.5</td>
<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
<td>3.5</td>
<td>4.2</td>
</tr>
</tbody>
</table>

### How To Order

1-800-443-4216

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The content includes technical specifications for TUBE SERIES UNIFLEX BT systems, detailing extended travel, self-supporting lengths, load capacity, and ordering information. The document also provides a calculation for chain length and self-supporting lengths, along with additional data on dimensions and specifications.
Design 060 - totally enclosed tube opens on the inside radius

**Series BT 0345**

<table>
<thead>
<tr>
<th>Model</th>
<th>Chain Weight:</th>
<th>Dimensions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0345.060.015</td>
<td>0.32 lbs/ft</td>
<td>1.06 (27) 1.0 (28) 0.59 (15) 0.77 (19.5)</td>
</tr>
<tr>
<td>0345.060.020</td>
<td>0.35 lbs/ft</td>
<td>1.26 (32) 1.10 (28) 0.79 (20) 0.77 (19.5)</td>
</tr>
<tr>
<td>0345.060.025</td>
<td>0.38 lbs/ft</td>
<td>1.46 (37) 1.10 (28) 0.98 (25) 0.77 (19.5)</td>
</tr>
<tr>
<td>0345.060.038</td>
<td>0.44 lbs/ft</td>
<td>1.97 (50) 1.10 (28) 1.50 (38) 0.77 (19.5)</td>
</tr>
<tr>
<td>0345.060.050</td>
<td>0.32 lbs/ft</td>
<td>2.44 (62) 1.10 (28) 1.97 (50) 0.77 (19.5)</td>
</tr>
<tr>
<td>0345.060.065</td>
<td>0.57 lbs/ft</td>
<td>3.03 (77) 1.10 (28) 2.56 (65) 0.77 (19.5)</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.

Need help? 1-800-443-4216 or www.kabelschlepp.com
Type 0345 Brackets With Strain Relief

Connection Dimensions
Brackets made of nylon with integral strain relief.

0345 Bracket Position Options

Bracket End
M - Moving End
F - Fixed End

Bracket Position
A - connecting surface on outside radius (standard)
I - connecting surface on inside radius
K - connecting surface turned 90° to the inside radius
U - Universal Bracket (not pictured, see opposite page)

Type 0345 Brackets

ZLK - A

Bracket with integral strain relief

For Widths $B_i = 0.59$ (15) to 0.79 (20)

<table>
<thead>
<tr>
<th>Type</th>
<th>$B_i$ (mm)</th>
<th>$B_k$ (mm)</th>
<th>$b_1$ (mm)</th>
<th>$n_Z$</th>
</tr>
</thead>
<tbody>
<tr>
<td>0345. ... .15</td>
<td>0.59 (15)</td>
<td>1.06 (27)</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>0345. ... .20</td>
<td>0.79 (20)</td>
<td>1.26 (32)</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>0345. ... .25*</td>
<td>0.98 (25)</td>
<td>1.46 (37)</td>
<td>0.51 (13)</td>
<td>2</td>
</tr>
<tr>
<td>0345. ... .38</td>
<td>1.50 (38)</td>
<td>1.97 (50)</td>
<td>0.94 (24)</td>
<td>3</td>
</tr>
<tr>
<td>0345. ... .50</td>
<td>1.97 (50)</td>
<td>2.44 (62)</td>
<td>1.42 (36)</td>
<td>4</td>
</tr>
<tr>
<td>0345. ... .65</td>
<td>2.56 (65)</td>
<td>3.03 (77)</td>
<td>2.01 (51)</td>
<td>5</td>
</tr>
</tbody>
</table>

ZLK-A Fixed End Bracket
(with integral strain relief)

ZLK-A Moving End Bracket
(with integral strain relief)

Please specify the desired bracket variant and position when ordering.

Example: FA/MA (Standard) or FA/MI
The bracket positions at the Fixed End and Moving End can be changed later if required.
Type 0345 Universal Brackets

Connection Details
Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

Note: The critical dimensions for the Fixed End and Moving End brackets are identical.

<table>
<thead>
<tr>
<th>Type</th>
<th>B₁ in (mm)</th>
<th>B_{EF} in (mm)</th>
<th>bₐ in (mm)</th>
<th>l₁ in (mm)</th>
<th>l₂ in (mm)</th>
<th>d in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0345. ... .15</td>
<td>0.59 (15)</td>
<td>1.77 (45)</td>
<td>1.38 (35)</td>
<td>1.42 (36)</td>
<td>0.35 (9)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0345. ... .20</td>
<td>0.79 (20)</td>
<td>1.97 (50)</td>
<td>1.57 (40)</td>
<td>1.42 (36)</td>
<td>0.35 (9)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0345. ... .25</td>
<td>0.98 (25)</td>
<td>2.17 (55)</td>
<td>1.77 (45)</td>
<td>1.42 (36)</td>
<td>0.35 (9)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0345. ... .38</td>
<td>1.50 (38)</td>
<td>2.68 (68)</td>
<td>2.28 (58)</td>
<td>1.42 (36)</td>
<td>0.35 (9)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0345. ... .50</td>
<td>1.97 (50)</td>
<td>3.15 (80)</td>
<td>2.76 (70)</td>
<td>1.42 (36)</td>
<td>0.35 (9)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0345. ... .55</td>
<td>2.56 (65)</td>
<td>3.74 (95)</td>
<td>3.35 (85)</td>
<td>1.42 (36)</td>
<td>0.35 (9)</td>
<td>0.22 (5.5)</td>
</tr>
</tbody>
</table>

0345 Universal Bracket Position Options

When specifying Universal Brackets, use the letter U for the Bracket Position designation of the assembly part number description.

Example: FU/MU
### General Data

**ECONOMIC VALUE ADDED**

A product group's EVA score is a general indicator that allows a customer to quickly and easily compare a product group's basic price, features, capabilities and value relative to other comparably sized products within the K5 product range.

Download 3D CAD files, videos, updated product info & much more at: www.kabelschlepp.com/uniflexbt.htm

### Technical Data

#### Series

**BT 0455**  
**Design 060**

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height</th>
<th>Bend Radius</th>
<th>Depot</th>
<th>Loop Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>8.90 (226)</td>
<td>3.74 (95)</td>
<td>6.26 (159)</td>
<td>15.35 (390)</td>
</tr>
<tr>
<td>B</td>
<td>11.26 (286)</td>
<td>4.92 (125)</td>
<td>7.44 (189)</td>
<td>19.06 (484)</td>
</tr>
<tr>
<td>C</td>
<td>13.23 (336)</td>
<td>5.91 (150)</td>
<td>8.43 (214)</td>
<td>22.13 (562)</td>
</tr>
<tr>
<td>D</td>
<td>15.59 (396)</td>
<td>7.09 (180)</td>
<td>9.61 (244)</td>
<td>25.87 (657)</td>
</tr>
<tr>
<td>E</td>
<td>17.17 (436)</td>
<td>7.87 (200)</td>
<td>10.39 (264)</td>
<td>28.35 (720)</td>
</tr>
<tr>
<td>F</td>
<td>19.13 (486)</td>
<td>8.86 (225)</td>
<td>11.38 (289)</td>
<td>31.42 (798)</td>
</tr>
</tbody>
</table>

### Self-Supporting Lengths

<table>
<thead>
<tr>
<th>Unsupported Length</th>
<th>Type 0455</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft</td>
<td>kg</td>
</tr>
<tr>
<td>0.5</td>
<td>1.64</td>
</tr>
<tr>
<td>1.0</td>
<td>3.28</td>
</tr>
<tr>
<td>1.5</td>
<td>4.92</td>
</tr>
<tr>
<td>2.0</td>
<td>6.56</td>
</tr>
<tr>
<td>2.5</td>
<td>8.20</td>
</tr>
<tr>
<td>3.0</td>
<td>9.84</td>
</tr>
<tr>
<td>3.5</td>
<td>11.48</td>
</tr>
<tr>
<td>4.0</td>
<td>13.12</td>
</tr>
</tbody>
</table>

**Extended Travel:**

When application travel exceeds the self-supporting length of the carrier, UNIFLEX carrier systems are designed to glide on themselves in a guide-channel.

How To Order

1-800-443-4216

**For more information on extended travel systems, see pages 02.27 - 02.36**
Design 060 - totally enclosed tube opens on the inside radius

### BT 0455.060

- **0455.060.025**
  - Chain Weight: 0.62 lbs/ft (0.92 kg/m)

- **0455.060.038**
  - Chain Weight: 0.68 lbs/ft (1.01 kg/m)

- **0455.060.058**
  - Chain Weight: 0.78 lbs/ft (1.18 kg/m)

- **0455.060.078**
  - Chain Weight: 0.88 lbs/ft (1.31 kg/m)

- **0455.060.103**
  - Chain Weight: 1.01 lbs/ft (1.51 kg/m)

- **0455.060.130**
  - Chain Weight: 1.15 lbs/ft (1.72 kg/m)

---

**Cavity Partition Options:**

- **A. Standard vertical dividers**
- **B. Custom:** KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

---

Specifications are subject to change without notice.
### Type 0455 Brackets with Strain Relief

#### Connection Dimensions

Brackets made of nylon with integral strain relief.

#### 0455 Bracket Position Options

**Bracket End**
- M - Moving End
- F - Fixed End

**Bracket Position**
- A - connecting surface on outside radius (standard)
- I - connecting surface on inside radius
- K - connecting surface turned 90° to the inside radius
- U - Universal Bracket (not pictured, see opposite page)

**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

### Type 0455 Brackets with Strain Relief

#### ZLK - A
bracket with integral strain relief

For width $B_i = 0.98$ (25)

#### ZLK - L
bracket with detachable and independently positionable strain relief

For widths $B_i = 1.50$ (38) to 5.12 (130)

### Table: Connection Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>$B_i$ in (mm)</th>
<th>$B_k$ in (mm)</th>
<th># of tines</th>
</tr>
</thead>
<tbody>
<tr>
<td>0455. ... .25</td>
<td>0.98 (25)</td>
<td>1.65 (42)</td>
<td>2</td>
</tr>
<tr>
<td>0455. ... .38</td>
<td>1.50 (38)</td>
<td>2.17 (55)</td>
<td>3</td>
</tr>
<tr>
<td>0455. ... .58</td>
<td>2.28 (58)</td>
<td>2.95 (75)</td>
<td>4</td>
</tr>
<tr>
<td>0455. ... .78</td>
<td>3.07 (78)</td>
<td>3.74 (95)</td>
<td>6</td>
</tr>
<tr>
<td>0455. ... .103</td>
<td>4.06 (103)</td>
<td>4.72 (120)</td>
<td>8</td>
</tr>
<tr>
<td>0455. ... .130</td>
<td>5.12 (130)</td>
<td>5.79 (147)</td>
<td>10</td>
</tr>
</tbody>
</table>

### ZLK-A Fixed End Bracket (with integral strain relief)

### ZLK-L Fixed End Bracket (with detachable strain relief)

Please specify the desired bracket variant and position when ordering.

**Example:** FA/MA (Standard) or FA/MI

The bracket positions at the Fixed End and Moving End can be changed later if required.
## Type 0455 Universal Brackets

Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

### Connection Details

![Universal Fixed End Bracket](Image)

![Universal Moving End Bracket](Image)

Universal Brackets are pictured with connecting covers (sold separately)

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>( B_l ) (mm)</th>
<th>( B_{EF} ) (mm)</th>
<th>( b_A ) (mm)</th>
<th>( l_1 ) (mm)</th>
<th>( l_2 ) (mm)</th>
<th>( d ) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0455. ... .25</td>
<td>0.98 (25)</td>
<td>2.17 (55)</td>
<td>1.77 (45)</td>
<td>1.85 (47)</td>
<td>0.41 (10.5)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0455. ... .38</td>
<td>1.50 (38)</td>
<td>2.68 (68)</td>
<td>2.28 (58)</td>
<td>1.85 (47)</td>
<td>0.41 (10.5)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0455. ... .58</td>
<td>2.28 (58)</td>
<td>3.46 (88)</td>
<td>3.07 (78)</td>
<td>1.85 (47)</td>
<td>0.41 (10.5)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0455. ... .78</td>
<td>3.07 (78)</td>
<td>4.25 (108)</td>
<td>3.86 (98)</td>
<td>1.85 (47)</td>
<td>0.41 (10.5)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0455. ... .103</td>
<td>4.06 (103)</td>
<td>5.24 (133)</td>
<td>4.84 (123)</td>
<td>1.85 (47)</td>
<td>0.41 (10.5)</td>
<td>0.22 (5.5)</td>
</tr>
<tr>
<td>0455. ... .130</td>
<td>5.12 (130)</td>
<td>6.30 (160)</td>
<td>5.91 (150)</td>
<td>1.85 (47)</td>
<td>0.41 (10.5)</td>
<td>0.22 (5.5)</td>
</tr>
</tbody>
</table>

### Note

The critical dimensions for the Fixed End and Moving End brackets are identical.

### 0455 Universal Bracket Position Options

When specifying Universal Brackets, use the letter \( U \) for the Bracket Position designation of the assembly part number description.

**Example:** FU/MU
**GENERAL DATA**

**How To Order**

1-800-443-4216

**Technical Data**

**Series**

**BT 0555**

**Design 060**

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height</th>
<th>Bend Radius</th>
<th>Depot</th>
<th>Loop Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>9.84 (250)</td>
<td>3.94 (100)</td>
<td>7.13 (181)</td>
<td>16.73 (425)</td>
</tr>
<tr>
<td>B</td>
<td>11.81 (300)</td>
<td>4.92 (125)</td>
<td>8.11 (206)</td>
<td>19.84 (504)</td>
</tr>
<tr>
<td>C</td>
<td>14.57 (370)</td>
<td>6.30 (160)</td>
<td>9.49 (241)</td>
<td>24.17 (614)</td>
</tr>
<tr>
<td>D</td>
<td>17.72 (450)</td>
<td>7.87 (200)</td>
<td>11.06 (281)</td>
<td>29.13 (740)</td>
</tr>
<tr>
<td>E</td>
<td>20.08 (510)</td>
<td>9.06 (230)</td>
<td>12.24 (311)</td>
<td>32.83 (834)</td>
</tr>
</tbody>
</table>

**Dimensions in inches (mm)**

<table>
<thead>
<tr>
<th>Option</th>
<th>H</th>
<th>KR</th>
<th>UB</th>
<th>LB</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>9.84</td>
<td>3.94</td>
<td>7.13</td>
<td>16.73</td>
</tr>
<tr>
<td>B</td>
<td>11.81</td>
<td>4.92</td>
<td>8.11</td>
<td>19.84</td>
</tr>
<tr>
<td>C</td>
<td>14.57</td>
<td>6.30</td>
<td>9.49</td>
<td>24.17</td>
</tr>
<tr>
<td>D</td>
<td>17.72</td>
<td>7.87</td>
<td>11.06</td>
<td>29.13</td>
</tr>
<tr>
<td>E</td>
<td>20.08</td>
<td>9.06</td>
<td>12.24</td>
<td>32.83</td>
</tr>
</tbody>
</table>

**Self-Supporting Lengths**

**Extended Travel:**

When application travel exceeds the self-supporting length of the carrier, UNIFLEX carrier systems are designed to glide on themselves in a guide-channel.

For more information on extended travel systems, see pages 02.27 - 02.36

**Calculation of Chain Length**

- $L_S$ = total machine travel
- $L_S = 3.14 \times KR + (2 \times t$ safety factor)
- $L_K = chain length required$
- $L_K = LS ÷ 2 + length of the curve (L_B)^

* Assumes the Fixed Point is located at the Center of the Total Machine Travel.
**Design 060** - totally enclosed tube opens on the inside radius

---

**0555.060.050**

- Chain Weight: 1.15 lbs/ft (1.72 kg/m)

---

**0555.060.075**

- Chain Weight: 1.31 lbs/ft (1.95 kg/m)

---

**0555.060.100**

- Chain Weight: 1.46 lbs/ft (2.17 kg/m)

---

**0555.060.125**

- Chain Weight: 1.60 lbs/ft (2.39 kg/m)

---

**0555.060.150**

- Chain Weight: 1.75 lbs/ft (2.61 kg/m)

---

**Cavity Partition Options:**

A. Standard vertical dividers

B. Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

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Need help? 1-800-443-4216 or www.kabelschlepp.com
Type 0555 Brackets with Strain Relief

Connection Dimensions
Brackets made of nylon with integral strain relief.

0555 Bracket Position Options

Bracket End
M - Moving End
F - Fixed End

Bracket Position
A - connecting surface on outside radius (standard)
I - connecting surface on inside radius
K - connecting surface turned 90° to the inside radius
U - Universal Bracket (not pictured, see opposite page)

ZLK - L
bracket with detachable and independently positionable strain relief

Note: The critical dimensions for the Fixed End and Moving End brackets are identical.

<table>
<thead>
<tr>
<th>Type</th>
<th>B₁ in (mm)</th>
<th>B₂ in (mm)</th>
<th>nZ</th>
<th># of lines</th>
</tr>
</thead>
<tbody>
<tr>
<td>0555. ... .50</td>
<td>1.97 (50)</td>
<td>2.80 (71)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>0555. ... .75</td>
<td>2.95 (75)</td>
<td>3.78 (96)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>0555. ... .100</td>
<td>3.94 (100)</td>
<td>4.76 (121)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>0555. ... .125</td>
<td>4.92 (125)</td>
<td>5.75 (146)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>0555. ... .150</td>
<td>5.91 (150)</td>
<td>6.73 (171)</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

ZLK-L Fixed End Bracket (with detachable strain relief)
ZLK-L Moving End Bracket (with detachable strain relief)

ZLK-L Mounting Bracket Details
Mounting brackets with removable strain relief.

The mounting brackets are usually supplied with an integral strain relief plate.

This plate is either clamped on the underside of the mounting bracket or mounted separately from the mounting bracket in the desired position.

The dimensions of the strain relief affixing holes are identical to those of the mounting bracket.

Please specify the desired bracket variant and position when ordering

Example: FA/MA (Standard) or FA/MI

The bracket positions at the Fixed End and Moving End can be changed later if required.
Type 0555 Universal Brackets

Connection Details
Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

Note: The critical dimensions for the Fixed End and Moving End brackets are identical.

<table>
<thead>
<tr>
<th>Type</th>
<th>B₁ in (mm)</th>
<th>Bᵦ in (mm)</th>
<th>bᵦ in (mm)</th>
<th>l₁ in (mm)</th>
<th>l₂ in (mm)</th>
<th>d in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0555. ... .50</td>
<td>1.97 (50)</td>
<td>3.54 (90)</td>
<td>3.07 (78)</td>
<td>2.24 (57)</td>
<td>0.53 (13.5)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0555. ... .75</td>
<td>2.95 (75)</td>
<td>4.53 (115)</td>
<td>4.06 (103)</td>
<td>2.24 (57)</td>
<td>0.53 (13.5)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0555. ... .100</td>
<td>3.94 (100)</td>
<td>5.51 (140)</td>
<td>5.04 (128)</td>
<td>2.24 (57)</td>
<td>0.53 (13.5)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0555. ... .125</td>
<td>4.92 (125)</td>
<td>6.50 (165)</td>
<td>6.02 (153)</td>
<td>2.24 (57)</td>
<td>0.53 (13.5)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0555. ... .150</td>
<td>5.91 (150)</td>
<td>7.48 (190)</td>
<td>7.01 (178)</td>
<td>2.24 (57)</td>
<td>0.53 (13.5)</td>
<td>0.26 (6.5)</td>
</tr>
</tbody>
</table>

0555 Universal Bracket Position Options
When specifying Universal Brackets, use the letter U for the Bracket Position designation of the assembly part number description.

Example: FU/MU
**GENERAL DATA**

### Technical Data

<table>
<thead>
<tr>
<th>Series</th>
<th>Mounting Height</th>
<th>Bend Radius</th>
<th>Depot</th>
<th>Loop Length</th>
</tr>
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<tbody>
<tr>
<td>BT 0600</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Design 080</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Option A</td>
<td>10.26 (260.5)</td>
<td>3.94 (100)</td>
<td>7.52 (191)</td>
<td>17.09 (434)</td>
</tr>
<tr>
<td>Option B</td>
<td>12.22 (310.5)</td>
<td>4.92 (125)</td>
<td>8.50 (216)</td>
<td>20.20 (513)</td>
</tr>
<tr>
<td>Option C</td>
<td>14.19 (360.5)</td>
<td>5.91 (150)</td>
<td>9.49 (241)</td>
<td>23.27 (591)</td>
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<tr>
<td>Option D</td>
<td>16.16 (410.5)</td>
<td>6.89 (175)</td>
<td>10.47 (266)</td>
<td>26.38 (670)</td>
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<tr>
<td>Option E</td>
<td>18.13 (460.5)</td>
<td>7.87 (200)</td>
<td>11.46 (291)</td>
<td>29.45 (748)</td>
</tr>
</tbody>
</table>

### Calculation of Chain Length

\[
L_b = \text{total machine travel} \\
L_b = 3.14 \times KR + (2 \times t \text{ safety factor}) \\
L_k = \text{chain length required} \\
L_k = \frac{L_s}{2} + \text{length of the curve (L_B)*} \\
* Assumes the Fixed Point is located at the Center of the Total Machine Travel.
\]

### Additional Load

<table>
<thead>
<tr>
<th>Unsupported Length</th>
<th>Type 0600</th>
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<tbody>
<tr>
<td>ft</td>
<td>m</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>3.28</td>
</tr>
<tr>
<td>1.5</td>
<td>4.92</td>
</tr>
<tr>
<td>2</td>
<td>6.56</td>
</tr>
<tr>
<td>2.5</td>
<td>8.20</td>
</tr>
<tr>
<td>3</td>
<td>9.84</td>
</tr>
<tr>
<td>3.5</td>
<td>11.48</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type &amp; Position Brackets</th>
</tr>
</thead>
<tbody>
<tr>
<td>FU/MU</td>
</tr>
</tbody>
</table>

### Self-Supporting Lengths

For more information on extended travel systems, see pages 02.27 - 02.36

### How To Order

1-800-443-4216

| Number of Systems Req. | x | Carrier Type | x | Carrier Design | + | Cavity Width (Bi) | + | Bend Radius | x | # of Links | Length + | Type & Position Brackets | + | Dividers (vert / horz) |
|------------------------|---|--------------|---|----------------|+|------------------|+|-------------|---|-------------|-------+-------------------------|+|-------------------------|
| 25                     | x | 0600         | . | 080            | . | 100              | . | 175         | x | 98 Links    |        |                        |   | 4v/0h                  |    |
Design 080
Totally enclosed tube with removable lid on outside radius

**Series BT 0600**

- **BT 0600.080.050**
  - Chain Weight: 1.07 lbs/ft (1.60 kg/m)
  - Enclosed tube design has removable lids on the outside radius

- **BT 0600.080.075**
  - Chain Weight: 1.26 lbs/ft (1.88 kg/m)

- **BT 0600.080.100**
  - Chain Weight: 1.44 lbs/ft (2.15 kg/m)

- **BT 0600.080.125**
  - Chain Weight: 1.62 lbs/ft (2.42 kg/m)

**Cavity Partition Options:**

- **A.** Standard vertical dividers
- **B.** Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

**Design 081**
Totally enclosed tube with hinged-opening lid on outside radius

**Series BT 0600**

- **BT 0600.081.100**
  - Chain Weight: 1.44 lbs/ft (2.15 kg/m)

- **BT 0600.081.125**
  - Chain Weight: 1.62 lbs/ft (2.42 kg/m)

- **BT 0600.081.178**
  - Chain Weight: 1.74 lbs/ft (2.60 kg/m)

**Specifications are subject to change without notice.**

**KSA-L15015-GC**

- **NYLON**
- **TUBE STYLE**
- **STANDARD WIDTHS**

- **UNIFLEX BT**
  - A member of the TSUBAKI GROUP

- **TUBE SERIES**
- **BT 0600.080.050**
  - 2.38 (60.5)
  - 1.97 (50)
  - 1.73 (44)
  - 2.68 (69)

- **BT 0600.080.075**
  - 2.38 (60.5)
  - 2.95 (75)
  - 1.73 (44)
  - 3.66 (93)

- **BT 0600.080.100**
  - 2.38 (60.5)
  - 3.94 (100)
  - 1.73 (44)
  - 4.65 (118)

- **BT 0600.080.125**
  - 2.38 (60.5)
  - 4.92 (125)
  - 1.73 (44)
  - 5.63 (143)

- **BT 0600.081.100**
  - 2.50 (63.5)
  - 3.94 (100)
  - 1.79 (45.5)
  - 4.65 (118)

- **BT 0600.081.125**
  - 2.50 (63.5)
  - 4.92 (125)
  - 1.79 (45.5)
  - 5.63 (143)

- **BT 0600.081.178**
  - 2.50 (63.5)
  - 7.01 (178)
  - 1.79 (45.5)
  - 7.72 (196)

**PN: S6515**

- **B_k** = Outer Width
- **B_i** = Inner Width
- **h_G** = Outer Weight
- **h_i** = Inner Weight

**Need help? 1-800-443-4216 or www.kabelschlepp.com**
### Type 0600 Universal Brackets

**Connection Details**
Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

---

**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

<table>
<thead>
<tr>
<th>Type</th>
<th>$B_1$ (in mm)</th>
<th>$B_{EF}$ (in mm)</th>
<th>$b_A$ (in mm)</th>
<th>$l_1$ (in mm)</th>
<th>$l_2$ (in mm)</th>
<th>$d$ (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0600. ... .50</td>
<td>1.97 (50)</td>
<td>3.19 (81)</td>
<td>2.80 (71)</td>
<td>2.91 (74)</td>
<td>0.55 (14)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0600. ... .75</td>
<td>2.95 (75)</td>
<td>4.17 (106)</td>
<td>3.78 (96)</td>
<td>2.91 (74)</td>
<td>0.55 (14)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0600. ... .100</td>
<td>3.94 (100)</td>
<td>5.16 (131)</td>
<td>4.76 (121)</td>
<td>2.91 (74)</td>
<td>0.55 (14)</td>
<td>0.26 (6.5)</td>
</tr>
<tr>
<td>0600. ... .125</td>
<td>4.92 (125)</td>
<td>6.14 (156)</td>
<td>6.97 (177)</td>
<td>2.91 (74)</td>
<td>0.55 (14)</td>
<td>0.26 (6.5)</td>
</tr>
</tbody>
</table>

---

### 0600 Universal Bracket Position Options

When specifying Universal Brackets, use the letter $U$ for the Bracket Position designation the assembly part number description.

**Example:** FU/MU
Specifications are subject to change without notice.

KSA-L15015-GC

TUBE SERIES

21

UNIFLEX BT

How To Order
1-800-443-4216

Number of Systems Req. x Carrier Type + Carrier Design + Cavity Width (Bj) + Bend Radius x # of Links Length + Type & Position Brackets + Dividers (vert / #horz)

25 x 0665 · 060 · 175 · 300 x 80 Links + FA/MI + 5v/1h

Dimensions in inches (mm)

Calculation of Chain Length

\[ L_b = \text{total machine travel} \]
\[ L_b = 3.14 \times KR + (2 \times t \text{ safety factor}) \]
\[ L_b = \text{chain length required} \]
\[ L_b = LS ÷ 2 + \text{length of the curve (L_b)*} \]

* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

How To Order
1-800-443-4216

Download 3D CAD files, videos, updated product info & much more at: www.kabelschlepp.com/uniflexbt.htm

Self-Supporting Lengths

Unsupported Length

Extended Travel:
When application travel exceeds the self-supporting length of the carrier, UNIFLEX carrier systems are designed to glide on themselves in a guide-channel.

For more information on extended travel systems, see pages 02.27 - 02.36

Specifications are subject to change without notice.
**UNIFLEX BT**

nylon • tube style • standard widths

Design 060 - totally enclosed tube opens on the inside radius

**BT 0665.060.050**
Chain Weight:
1.58 lbs/ft
(2.36 kg/m)

**BT 0665.060.075**
Chain Weight:
1.80 lbs/ft
(2.69 kg/m)

**BT 0665.060.100**
Chain Weight:
2.01 lbs/ft
(3.00 kg/m)

**BT 0665.060.125**
Chain Weight:
2.26 lbs/ft
(3.32 kg/m)

**BT 0665.060.150**
Chain Weight:
2.44 lbs/ft
(3.64 kg/m)

**BT 0665.060.175**
Chain Weight:
2.65 lbs/ft
(3.95 kg/m)

**Cavity Partition Options:**
- Standard vertical dividers
- Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

Optional Vertical Divider
PN: 52569

Enclosed tube design has hinged-opening lids that open from either side on the inside radius

Specifications are subject to change without notice.

Need help?  **1-800-443-4216 or www.kabelschlepp.com**
Type 0665 Brackets with Strain Relief

Connection Dimensions
Brackets made of nylon with strain relief.

0665 Bracket Position Options

Bracket End
M - Moving End
F - Fixed End

Bracket Position
A - connecting surface on outside radius (standard)
I - connecting surface on inside radius
K - connecting surface turned 90° to the inside radius
U - Universal Bracket (not pictured, see opposite page)

Note: The critical dimensions for the Fixed End and Moving End brackets are identical.

<table>
<thead>
<tr>
<th>Type</th>
<th>Bi (mm)</th>
<th>Bk (mm)</th>
<th>NZ # of tines</th>
</tr>
</thead>
<tbody>
<tr>
<td>0665. .. .50</td>
<td>1.97 (50)</td>
<td>3.03 (77)</td>
<td>4</td>
</tr>
<tr>
<td>0665. .. .75</td>
<td>2.95 (75)</td>
<td>4.02 (102)</td>
<td>6</td>
</tr>
<tr>
<td>0665. .. .100</td>
<td>3.94 (100)</td>
<td>5.00 (127)</td>
<td>8</td>
</tr>
<tr>
<td>0665. .. .125</td>
<td>4.92 (125)</td>
<td>5.98 (152)</td>
<td>10</td>
</tr>
<tr>
<td>0665. .. .150</td>
<td>5.91 (150)</td>
<td>6.97 (127)</td>
<td>12</td>
</tr>
<tr>
<td>0665. .. .175</td>
<td>6.89 (175)</td>
<td>7.95 (202)</td>
<td>14</td>
</tr>
<tr>
<td>0665. .. .200</td>
<td>7.87 (200)</td>
<td>8.94 (227)</td>
<td>16</td>
</tr>
<tr>
<td>0665. .. .225</td>
<td>8.86 (225)</td>
<td>9.92 (252)</td>
<td>18</td>
</tr>
<tr>
<td>0665. .. .250</td>
<td>9.84 (250)</td>
<td>10.91 (277)</td>
<td>20</td>
</tr>
</tbody>
</table>

ZLK-L Fixed End Bracket (with detachable strain relief)

ZLK-L Moving End Bracket (with detachable strain relief)

ZLK-L Mounting Bracket Details
Mounting brackets with removable strain relief.

The mounting brackets are usually supplied with an integral strain relief plate.

This plate is either clamped on the underside of the mounting bracket or mounted separately from the mounting bracket in the desired position.

The dimensions of the strain relief affixing holes are identical to those of the mounting bracket!
Type 0665 Universal Brackets

Connection Details
Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

Note: The critical dimensions for the Fixed End and Moving End brackets are identical.

| Type 0665 Universal Bracket Position Options |

When specifying Universal Brackets, use the letter U for the Bracket Position designation of the assembly part number description.

Example: FU/MU

| Type 0665 Universal Bracket Position Options |

<table>
<thead>
<tr>
<th>Type</th>
<th>B₁ in (mm)</th>
<th>BₑF in (mm)</th>
<th>bₐ in (mm)</th>
<th>l₁ in (mm)</th>
<th>l₂ in (mm)</th>
<th>d in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0665. . .50</td>
<td>1.97 (50)</td>
<td>3.70 (94)</td>
<td>3.07 (78)</td>
<td>2.68 (68)</td>
<td>0.57 (14.5)</td>
<td>0.33 (8.5)</td>
</tr>
<tr>
<td>0665. . .75</td>
<td>2.95 (75)</td>
<td>4.69 (119)</td>
<td>4.06 (103)</td>
<td>2.68 (68)</td>
<td>0.57 (14.5)</td>
<td>0.33 (8.5)</td>
</tr>
<tr>
<td>0665. .100</td>
<td>3.94 (100)</td>
<td>5.67 (144)</td>
<td>5.04 (128)</td>
<td>2.68 (68)</td>
<td>0.57 (14.5)</td>
<td>0.33 (8.5)</td>
</tr>
<tr>
<td>0665. .125</td>
<td>4.92 (125)</td>
<td>6.65 (169)</td>
<td>6.02 (153)</td>
<td>2.68 (68)</td>
<td>0.57 (14.5)</td>
<td>0.33 (8.5)</td>
</tr>
<tr>
<td>0665. .150</td>
<td>5.91 (150)</td>
<td>7.64 (194)</td>
<td>7.01 (178)</td>
<td>2.68 (68)</td>
<td>0.57 (14.5)</td>
<td>0.33 (8.5)</td>
</tr>
<tr>
<td>0665. .175</td>
<td>6.89 (175)</td>
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<td>0.33 (8.5)</td>
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<td>0665. .250</td>
<td>9.84 (250)</td>
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<td>2.68 (68)</td>
<td>0.57 (14.5)</td>
<td>0.33 (8.5)</td>
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